## WHAT DOES IMIS FACILITATES

With multiple data sources and real-time data integration IMIS can help improve CWIS sanitation situation by effective planning, management, and monitoring & evaluation.



PLANNING · MANAGEMENT · MONITORING & EVALUATION

of Sanitation Systems & Service Delivery

1. equitable access to safe, adequate & efficient infrastructure
2. sustainable infrastructure, assets and services
3. gender intentional and socially inclusive services and infrastructure
4. fair and strategic pricing of services
5. the use of public finances for the expansion of infrastructure and services and
6. sanitation workers' rights, protections and safety nets

1. safe management of sanitation infrastructure and services
2. the distribution of public finances for the expansion of infrastructure and services;
3. implementation of equitable costs and efficient cost recovery
4. implementation of pro-poor, gender intentional and socially inclusive mandate;
5. institutionalization of key performance indicators (KPIs) implement accountability measures as well as enforce regulations including incentives and penalties.

1. the quality and distribution of services and infrastructure,
2. service authority performance vis-à-vis the KPIs and targets;
3. financial sustainability of service delivery and infrastructure,
4. public health and environmental outcomes and
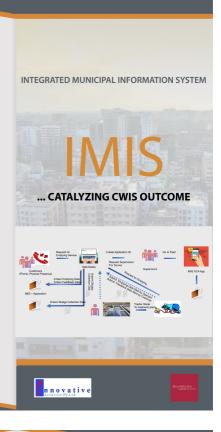5. pro-poor, gender intentional and socially inclusive targets.

## Contact Us:



**+977-015546880**



**info@innovativesolution.com.np**



**Chakupat, Lalitpur, Nepal**

INTEGRATED MUNICIPAL INFORMATION SYSTEM

# IMIS

## ... CATALYZING CWIS OUTCOME

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## INTRODUCTION

According to the UN DESA, 2018 55% of the world's population lives in urban area and is expected to increase to 68% by the year 2050. Together with the rapid growth of urbanization many challenges associated with them such as unplanned housing, dealing with urban waste, pollutiona etc. As agenda for SDG target 6.2 -Sanitaion and hygiene states, achieving access to adequate and equitable sanitation and hygiene is essential for protecting the health of individuals and communities and the environment. To mantain the standard and safely manage sanitation services Citywide Inclusive Sanitaion (CWIS) approach to urban sanitation is required.

## CITYWIDE INCLUSIVE SANITATION (CWIS)

Citywide Inclusive Sanitation (CWIS) approach to urban sanitation is a good initiative of BMGF. It focuses on promoting approaches to ensuring everyone in an urban area is served by safe, equitable, and financially viable sanitation service and systems. This means systems are designed to reach the poor and to ensure human waste is safely managed along the whole sanitation service chain (safe containment to safe disposal/reuse). But Implementation of CWIS System is very challenging due to the types of its expected Outcome and Functions Requirements. So, Accurate, reliable, relevant and timely data is key to system sustainability

| | EQUITY | SAFETY | SUSTAINABILITY |
|---|---|---|---|
| **CORE CWIS OUTCOMES** | Services reflect fairness in distribution and prioritisation of service quality, prices, deployment of public finance/subsidies | Services safeguard customers, workers and communities from safety and health risks by reaching everyone with safe sanitation | Services are reliably and continually delivered based on effective management of human, financial and natural resources |
| | **RESPONSIBILITY** | **ACCOUNTABILITY** | **RESOURCE PLANNING AND MANAGEMENT** |
| **CORE CWIS FUNCTIONS** | Authority(s) execute a clear public mandate to ensure safe, equitable and sustainable, sanitation services for all | Authority(ies) performance against its mandate is monitored and managed with data, transparency, and incentives | Resources-human, financial, natural, assets-are effectively managed to support execution of mandate across time/space |

## INTEGRATED MUNICIPAL INFORMATION SYSTEM (IMIS)

Integrated municipal information system- IMIS is a powerful tool developed to catalyze CWIS outcome, that facilitates efficient and effective planning, management, and monitoring & evaluation of sanitation systems and service delivery inline with the sanitation value chain towards the goal of CWIS. IMIS is a convergence of web, mobile and GIS technologies developed on open source software platform. This component helps municipality in - establishing Municipal Database that helps in providing current CWIS sanitation situation of the town and preparing strategic sanitation plan, establishing Integrated Municipal Information System in line with municipality's regular business process enabling city authority in efficient planning, decision making, service delivery and real time monitoring of Sanitation services.

### IMIS Landscape



*Sanitation Value Chain*

1. Municipal GIS and CWIS database of the town
2. Tools for strategic sanitation planning, infrastructure investment planning and decision-making
3. Business process mainstreaming Sanitation Value Chain with municipality's regular business process
4. Dashboard for real-time monitoring and evaluation of CWIS system and service
5. Interoperability system to integrate with external data sources – tax payments, health, emergency response, satellite and other spatial data source

## KEY COMPONENTS OF IMIS

IMIS holds nine major components inorder to deal with its landscapes. The components consist of (i) Building Information Management System (ii) Property Tax Collection Support System (iii) Urban Management Decision Support System (iv) Utility Information Management System (v) SWM information Support System (vi) Water Supply Information Support System (vii) Septic Tank Inspection Support System (viii) Fecal Sludge Information Management System (ix) FSM Monitoring & Evaluation System. IMIS components may vary based on requiremnets of the local government.